

Abstract

The present invention relates to a data transmission system for machine tools production machines, and robots, having with a central data line, from which there branch off stub-like data lines in which signal processing units are arranged, having transmitting and receiving elements which respectively pass on data in a serial form. A return from the last to the first signal processing unit respectively of the stub-like data line makes it possible to significantly increase the flexibility and availability of the machine tools, production machines and robots.